

Center for Dairy Foods Technology

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Background

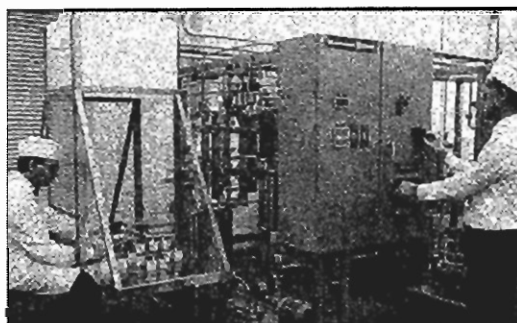
Established in 1990 to develop new technologies to improve and develop products for the dairy foods industry.

The center has graduated this year and is actively pursuing license agreements for its patented technologies.

Technology Development Progress

The center uses membrane technologies (reverse osmosis and ultrafiltration) to concentrate fluid milk at low temperatures so as not to impart any off flavors to milk concentrates.

Another technology uses ultra-high temperature heat processing to commercially sterilize milk and milk concentrates yielding new products that do not require refrigeration and can be stored for up to 12 months. The concentrated and ultra high temperature process milk can be used in reconstituted fluid milk, yogurt, ice cream and cheeses.



Aseptic filling chamber for ultra-high temperature processing of milk.

Highlights and Accomplishments

A summary of current and previous accomplishments follows:

The center has signed an **option agreement** with Utah Milk Technologies, a business venture group to **pursue commercialization** of membrane-concentrated, sterile milk for export.

A **patent** for the center's "**Creamier Skim Milk**" was issued in November 1994.

- **Gossner Foods, Inc.**, Logan, holds the contract for the production and packaging of new products researched and developed by national food companies with the **assistance of the center**.
- **Heart-to-Heart Foods, Inc.**, Richmond, which produces yogurt and ice cream products and new lines of cream cheese, has used **center equipment and expertise** to research and develop new product lines for distribution in Utah.
- **International Dairy Foods Association** has shown interest in "**Creamier Skim Milk**" to increase consumer acceptability of skim milk.

Summary Data:

Current

1995-96 Award	\$52,000
Matching Funds	\$233,428
Patents Pending	1
Patents Issued	2
License Agreements	1
Spin-off Companies	0
Companies Assisted	20
Industry Jobs	1
Center Jobs	7

Cumulative

Awards	\$588,562
Matching Funds	\$2,533,428
Patents Issued	2
License Agreements	1
Spin-off Companies	2